MAXI POWER: The MaxiPower aircooled, watercooled and condenserless liquid Chillers with Screw compressors cover capacities up to 2350 kW. Dedicated models feature Inverter technology on compressors, pumps and fans for an higher efficiency even at part load. MaxiPower range is available in several variants up to DOUBLE A CLASS. The new environmentally friendly models feature the innovative **HFO-R1234ze** refrigerant, with GWP<1 (Global Warming Potential), in order to meet the strictest international environmental regulations. Units with **R513A** refrigerant are also available.

TURBOLINE: The TurboLine range, equipped with Turbocor Magnetic Levitation compressors, reaches an extremely high efficiency (A CLASS) with the highest EER and SEER / SEPR in the market and a low starting current, in addition to maximum reliability and an extra silent operation.
The range includes aircooled and watercooled models with a wide capacity range up to 3900 kW, also with **R513A** or **HFO-R1234ze** refrigerant.

REMOTE CONDENSERS AND HYDRONIC MODULES.

A comprehensive range of Remote Condensers with air flow up to 127 m³/s and different noise levels and a full range of remote Hydronic Modules up to 2500 lt. are available to complete the liquid Chillers range.

PACKAGED ROOF TOP UNITS.

AIR PLUS: The packaged Roof Top units of AirPlus series feature single skin and EC Inverter Plug-Fans. The units are available in different configurations with the addition of Mixing Box, Free-Cooling section and Thermodynamic Coil-Boost Heat Recovery.

AIR MAXI: The packaged Roof Top units of AirMaxi series feature double skin and EC Inverter Plug-Fans, also with Inverter Scroll compressors.
The units are available in different configurations with the addition of a Mixing Box, a Free-Cooling section and a Cross-Flow, Rotary or Thermodynamic Coil-Boost Heat Recovery.

CONDENSING UNITS.

A comprehensive range of condensing units from 4 to 190 kW with different technical solutions and noise levels is available to complete the CLINT product range.

FAN COIL UNITS.

FAN COIL UNITS WITH CABINET AND FOR BUILT-IN INSTALLATION: Fan Coil units for floor, ceiling or built-in installation, with several air flow configurations and capacity up to 7,3 kW, available both with 3-Speed or EC Inverter fans. A wide range with high static pressure is also available for built-in installation.

WALL MOUNTED, WATER CASSETTE AND DUCTABLE FAN COIL UNITS: Wall mounted units up to 5,4 kW, Water Cassette up to 11 kW and Modular Ductable Fan Coil units up to 43 kW, available with 3-Speed or EC Inverter fans.

VISIT www.clint.it

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G.I. INDUSTRIAL HOLDING

PRODUCT OVERVIEW

EUROVENT CERTIFIED PERFORMANCE

G.I. INDUSTRIAL HOLDING S.p.A. participates in the ECC programme for LCP HP/FCU and AHU. Check on going validity of certificate: www.eurovent-certification.com or www.certiflash.com

CLINT
CLIMATIZZAZIONE INTEGRATA

PRODUCT RANGE

CLINT product ranges are compliant to ErP European Regulations.

- **ErP 2018 SCOP.** The EU Regulation n. 813/2013 fixing precise efficiency standards for heat pump units.
- **ErP 2021 SEER.** The range of units for comfort cooling application reaches the seasonal energy efficiency standards required from 2021 (EU Regulation n°2016/2281).
- **ErP 2021 SEPR.** The range of units for process cooling application reaches the seasonal energy efficiency standards required from 2021 (EU Regulation n°2016/2281).

ErP SCOP ErP SEER ErP SEPR

LIQUID CHILLERS AND HEAT PUMPS.

COMPACT LINE: The CompactLine liquid Chillers and Heat Pumps range is the ideal solution for residential or small commercial areas. Compactness and low energy consumption are the key benefits of this range, available in DOUBLE A CLASS energy efficiency with Inverter Scroll compressor.

THERMICA: The air/water heat pumps of Thermica range are dedicated to room heating and domestic hot water production, supplying high temperature water (up to 65°C) and being able to work down to -20°C outside air. Being reversible, they are also able to supply chilled water for air conditioning during the summer period.
The Thermica System line also foresees the combination of packaged heat pumps with indoor units for the management of the system in heating, cooling and DHW production. The whole range has high efficiency both at full load and partial loads and the units from 20 to 67 kW work with **R454C** refrigerant with low GWP.

BOOSTER: The water/water heat pumps of Booster range are the best solution for systems where very high temperature hot water production is required (up to 80°C) for domestic use, room heating or industrial processes. The wide operating range makes these units perfectly integrable in any system solution, including 4-pipe systems for air conditioning and industrial heat recovery.

AQUA PLUS: The AquaPlus aircooled, watercooled and condenserless liquid Chillers and Heat Pumps range is dedicated to small and medium areas in commercial or industrial buildings, up to 180 kW. Compactness and easy installation are the key benefits of this range. Dedicated models can also feature the additional AquaLogik technology with built-in hydronic kit and variable speed circulating pumps, making the use of inertial tank unnecessary. AquaPlus range is available in several variants, up to DOUBLE A CLASS energy efficiency, featuring Inverter technology on Scroll compressors and, as option, on fans and circulating pumps. Units with **R452B** and **R454B** refrigerants are also available.

MULTI POWER: The MultiPower liquid Chillers and Heat Pumps range is based on multi-Scroll design for high efficiency at part loads, with up to 12 compressors on double cooling circuit, also in DOUBLE A CLASS energy efficiency with Inverter technology. The family includes both aircooled and watercooled models with a capacity range up to 1220 kW. Units with **R452B** and **R454B** refrigerants are also available.

ENERGY POWER: The aircooled Multifunctional units of EnergyPower line are able to provide cooling, heating and domestic hot water at the same time and with the same unit. Those Multifunctional units, with capacity up to 1130 kW, are dedicated to 4-Pipe systems and are ideal for buildings with simultaneous need of ambient heating, cooling and domestic hot water, such as hotels and multifunctional buildings with service and residential users. The range includes models with both Scroll or Screw compressors. Units with **R452B, R454B** or **R513A** refrigerant are also available.

LEGENDA

COMPRESSOR	FAN	EXCHANGER	SOLUTION		REFRIGERANT
Inverter Rotary	EC Inverter Axial	Plate	FC Free-Cooling	SL Silenced	R410A
Rotary	Axial	Shell and Tube	DHW Domestic Hot Water	SSL Super silenced	R452B
Inverter Scroll	EC Inverter Radial	Flooded Shell and Tube	AquaLogik	Single Skin	R454B
Scroll	Radial	Microchannel	Hybrid system management	Double Skin	R454C
Inverter Screw	High ESP Radial		Integration with different energy sources	MIX Mixing Box	R134a
Screw	EC Inverter Tangential		A CLASS Cooling	ECO Economizer	R513A
Turbocor	EC Inverter Plug-Fan		A CLASS Heating	HRE RECU Economizer and Thermodynamic Coil-boost Heat Recovery	R1234ze
			4P 4-Pipe system	HRE RECU Economizer and Cross-flow Heat Recovery	H_2O
			Web Monitoring	HRE RECU Economizer and Wheel Heat Recovery	

1. AIRCOOLED LIQUID CHILLERS AND HEAT PUMPS FOR RESIDENTIAL & LIGHT COMMERCIAL APPLICATION

COMPACT Line

1.1 Compact size liquid Chillers and Heat Pumps with Scroll compressor and plate exchanger

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CHA/I/K/A 21÷81	INVERTER SCROLL	6,0-22	6,7-25	

Thermica

1.2 Dedicated Heat Pumps with Rotary compressor and plate exchanger

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CHA/I/K/TR/A 18÷35	INVERTER ROTARY, EC INVERTER FAN	5,0-9,8	6,0-10	
CHA/I/K/TR/A 18÷35 + DMS220	INVERTER ROTARY, EC INVERTER FAN	5,0-9,8	6,0-10	
CHA/I/K/TR/A 18÷35 + DMN220	INVERTER ROTARY, EC INVERTER FAN	5,0-9,8	6,0-10	
CHA/I/K/TR/A 18÷35 + DMH	INVERTER ROTARY, EC INVERTER FAN	5,0-9,8	6,0-10	

Thermica

1.3 Dedicated Heat Pumps for high temperature water production with Scroll compressors and plate exchanger

	UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
NEW	CHA/F/ML/WP 52÷92		17-25	20-29	
NEW	CHA/F/ML/WP 102-P÷204-P		30-58	34-67	

2. AIRCOOLED LIQUID CHILLERS AND HEAT PUMPS FOR COMMERCIAL & INDUSTRIAL APPLICATION

AQUA PLUS

2.1 Liquid Chillers and Heat Pumps with Scroll compressors and plate or shell and tube exchanger

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CHA/I/K/A 91÷151	INVERTER SCROLL, MICROCHANNEL *	26-42	29-48	
CHA/K/FC 91÷151	FREE COOLING	28-43	---	
CHA/I/K/A 172-P÷574-P	INVERTER SCROLL, MICROCHANNEL *	50-179	54-193	
CHA/K/AF 182-P÷604-P	AQUALOGIK *	51-183	55-198	
CHA/K/A/WP 182-P÷604-P	AQUALOGIK *	48-161	56-197	
CHA/K 182-P÷604-P	AQUALOGIK *	48-178	54-187	
CHA/K/FC 182-P÷604-P	FREE COOLING	53-174	---	
CHA/K 182÷604	AQUALOGIK *	49-179	56-188	
CRA/I/K/A 21÷131	INVERTER SCROLL, EC INVERTER PLUG FANS N	6,0-36	6,7-40	

* Option

multi power

2.2 Multi-Scroll liquid Chillers and Heat Pumps with plate or shell and tube exchanger

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CHA/I/K/A 674-P÷2356-P	INVERTER SCROLL, MICROCHANNEL *	196-668	212-724	
CHA/K/AF 726-P÷24012-P		197-692	214-754	
CHA/K/A/WP 726-P÷24012-P		194-671	227-762	
CHA/K 726-P÷36012-P		199-1051	228-1210	
CHA/K/FC 726-P÷36012-P	FREE COOLING	208-1102	---	
CHA/K 726÷36012		200-1062	229-1222	

* Option

ENERGY POWER

2.3 Multifunctional 4-Pipe units with Scroll or Screw compressors and plate or shell and tube exchangers

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CHA/K/EP 182-P÷602-P		49-168	52-184	
CHA/K/EP 604-P÷2004-P		167-507	180-587	
CHA/Y/EP 1352÷4402	INVERTER SCREW	278-1133	283-1156	

MAXI POWER

2.4 Liquid Chillers and Heat Pumps with Screw compressors and plate or shell and tube exchanger

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CHA/H/A 351-P÷1221-P	INVERTER SCREW * MICROCHANNEL *	79-208	---	
CHA/H/FC 351-P÷901-P	INVERTER SCREW * FREE COOLING	82-170	---	
CHA/H/A 351÷1221	INVERTER SCREW * MICROCHANNEL *	79-211	---	
CHA/H/A 1002÷6002	INVERTER SCREW * MICROCHANNEL *	197-1353	---	
CHA/H/FC 1002÷4802	INVERTER SCREW * FREE COOLING	232-1144	---	
CHA/Y/A 1302÷6002	INVERTER SCREW * MICROCHANNEL *	263-1533	272-1176	
CHA/Y/FC 1202-B÷6002-B	INVERTER SCREW * FREE COOLING	217-1460	---	

* Option

TURBOLINE

2.5 Liquid Chillers with Turbocor compressors and flooded shell and tube exchanger

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CHA/TTH 1301-1÷4904-2	MICROCHANNEL *	262-1340	---	
CHA/TTH/FC 1301-1÷4904-2	FREE COOLING	279-1386	---	
CHA/TTY 1301-1÷5004-2	MICROCHANNEL *	248-1456	---	
CHA/TTY/FC 1301-1÷5004-2	FREE COOLING	246-1443	---	

* Option

3. WATERCOOLED AND CONDENSERLESS LIQUID CHILLERS AND HEAT PUMPS FOR COMMERCIAL & INDUSTRIAL APPLICATION. REMOTE CONDENSERS

AQUA PLUS

3.1 Liquid Chillers and Heat Pumps with Rotary or Scroll compressors and plate or shell and tube exchangers. Remote Condensers

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CWW/K/WP 15÷151		4,6-49	5,9-60	
CWW/K 182-P÷604-P		55-195	73-237	
CWW/K 182÷604		57-196	75-238	
MEA/K 15÷151		4,0-42	5,1-53	
MEA/K 182-P÷604-P		51-176	60-194	
RCA/K 4111÷8222		---	---	
RCA/K/SL 4111÷8222		---	---	
RCA/K/SSL 5111÷8222		---	---	

Booster

3.2 Dedicated Heat Pumps for very high temperature water production with Scroll compressors and plate exchanger

	UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
NEW	CWW/Y/BH 162-P÷1204-P		---	77-550	

multi power

3.3 Multi-Scroll liquid Chillers and Heat Pumps with plate or shell and tube exchangers

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CWW/K 726-P÷1128-P		224-383	290-484	
CWW/K 726÷1128		225-375	291-474	

MAXI POWER

3.4 Liquid Chillers and Heat Pumps with Screw compressors and shell and tube exchangers. Remote Condensers

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CWW/H/A 351-P÷901-P	INVERTER SCREW *	86-189	---	
CWW/H/A 1002÷6002	INVERTER SCREW *	234-1650	---	
CWW/Y/A 1302÷4802	INVERTER SCREW *	280-1289	---	
CWW/Y/A 1002-T÷7202-T	INVERTER SCREW *	250-2143	---	
CWW/Y 1302-B÷9002-B	INVERTER SCREW *	267-2349	---	
MEA/Y 1302-B÷9002-B	INVERTER SCREW *	235-2060	---	
RCA/Y 8141÷9282		---	---	
RCA/Y/SL 8231÷9282		---	---	
RCA/Y/SSL 8151÷9281		---	---	

* Option

TURBOLINE

3.5 Liquid Chillers with Turbocor compressors and flooded shell and tube exchangers

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
CWW/TTH 1701-1÷6606-1		321-1922	---	
CWW/TTH/DR 1701-1÷6606-1		301-1802	---	
CWW/TTY 1601-1÷14406-1		319-3912	---	
CWW/TTY/DR 1601-1÷6204-1		298-1584	---	

4. HYDRONIC MODULES

4.1 Remote Hydronic Modules

UNITS NAME	TECHNOLOGY	CAPACITY (LT.)	FEATURES
MR 50÷80		50-80	
MR 1500÷2500		1500-2500	

5. PACKAGED ROOF TOP UNITS

AIRPLUS

5.2 Single Skin Packaged Roof Top units with Scroll compressors and EC Inverter Plug-Fans

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
RTA/K/EC/WP 182-R÷453-R	EC INVERTER PLUG FANS N	65-171	63-162	

AIRMAXI

5.3 Double Skin Packaged Roof Top units with Scroll compressors and EC Inverter Plug-Fans

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
RTA/I/K/EC 172÷724	INVERTER SCROLL, EC INVERTER PLUG FANS N	58-252	60-262	
RTA/K/EC 182÷804	EC INVERTER PLUG FANS N	58-252	60-262	

6. CONDENSING UNITS

6.1 Condensing units with Rotary or Scroll compressors and axial or radial fans

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
MHA/K 15÷151		4,5-46	4,8-52	
MHA/K 182÷604		51-188	56-193	
MRA/K 15÷131		4,5-37	4,8-41	
MRA/K 182÷604		51-188	56-193	

7. FAN COIL UNITS

7.1 Fan Coil units with cabinet or for built-in installation with 3-Speed or EC Inverter radial fans

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
FVW 13÷74 floyd*	EC INVERTER FAN *	1,3-7,3	3,2-16	
FIW 13÷74	EC INVERTER FAN *	1,3-7,3	3,2-16	
FIW/AP 23÷74	EC INVERTER FAN * HIGH STATIC PRESSURE	1,4-6,7	3,0-15	

* Option

7.2 Wall mounted Fan Coil units with EC Inverter tangential fan

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
HWW/EC 22÷62 eurice*	EC INVERTER FAN	2,1-5,4	2,7-6,9	

7.3 Water Cassette with 3-Speed or EC Inverter radial fan

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
TCW 22÷122	EC INVERTER FAN *	2,4-11	4,9-19	

* Option

7.4 Ductable Fan Coil units with 3-Speed or EC Inverter radial fans

UNITS NAME	TECHNOLOGY	COOLING (kW)	HEATING (kW)	FEATURES
UTW 63÷544	EC INVERTER FAN *	4,6-43	9,8-97	

* Option